Improvements of Roads and Drains at Shettyhalli and Surrounding area in Ward No-12 Project Division Dasarahalli(Package-1) Improvements to roads and drains at Shettyhalli and Surrounding area in ward No-12

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications, complete as per direction of Engineer incharge								
	Vide premeasurement page no. 1 to 15					**7242.70**	**Cum**	220.40	1596291.19
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. complete as per direction of								
	Vide premeasurement page no.16 to 26					**1024.03**	**Cum**	5421.90	5552204.52
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm								
	Vide premeasurement page no. 27 to 38					**1544.24**	**Cum**	7070.20	10918069.39
4	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications.								
	Vide premeasurement page no.39 to 42					**104.51**	**Tn**	72326.98	7559127.53

Assistant Engineer
Project division,Dasrahalli
BBMP Bangalore

Asst. Executive Engineer,
Project division,Dasrahalli
BBMP Bangalore

Civil-Tech Consultants Engineers Bangalore

For M/s VANDI CONSTRUCTION

Partners

Scanned by CamScanner

Name of Work: Improvements of Roads and Drains at ... and Surrounding area in Ward No-12 Project Division Dasarahalli(Packag... ments to roads and drains at Shettyhalli and Surrounding area's at She... e 01 in Ward No-12

Measurement recorded on: 27.03.2020

Item No	Discription of Item	Side	No	Leng...	...h	Depth	Qty	Unit
8	Providing and Fixing RCC pre cast covering Slab of 100mm thick for drains in cement concrete M20 using graded grinite jelly 20mm and down size with steel reinforcement, including from work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in charge. (Data Rate)							
	For CC Drain Raft							
	Abigere Main Road frm railwaliway track to Shibakumara swamiji Road							
	Ch:0.00m to 30.00	LHS	1	30.00	0.90		27.00	
	Ch:30.00m to 60.00	LHS	1	30.00	0.90		27.00	
	Ch:60.00m to 90.00	LHS	1	30.00	0.90		27.00	
	Ch:90.00m to 113.50	LHS	1	23.50	0.90		21.15	
	Ch:119.00m to 138.80	LHS	1	19.80	0.90		17.82	
	Ch:154.00m to 184.00	LHS	1	30.00	0.90		27.00	
	Ch:184.00m to 197.50	LHS	1	13.50	0.90		12.15	
	Ch:207.70m to 209.60	LHS	1	1.90	0.90		1.71	
	Ch:209.60m to 239.60	LHS	1	30.00	0.90		27.00	
	Ch:239.60m to 269.60	LHS	1	30.00	0.90		27.00	
	Ch:269.60m to 283.10	LHS	1	13.50	0.90		12.15	
	Ch:290.10m to 320.10	LHS	1	30.00	0.90		27.00	
	Ch:320.10m to 350.10	LHS	1	30.00	0.90		27.00	
	Ch:350.10m to 373.90	LHS	1	23.80	0.90		21.42	
	Ch:373.90m to 402.90	LHS	1	29.00	0.90		26.10	
	Ch:402.90m to 410.50	LHS	1	7.60	0.90		6.84	
	Ch:410.50m to 440.50	LHS	1	30.00	0.90		27.00	
	Ch:440.50m to 451.50 C/R							
	Ch:451.50m to 481.50	LHS	1	30.00	0.90		27.00	
	Ch:481.50m to 511.50	LHS	1	30.00	0.90		27.00	
	Ch:511.50m to 541.50	LHS	1	30.00	0.90		27.00	
	Ch:541.50m to 571.50	LHS	1	30.00	0.90		27.00	
	Ch:571.50m to 601.50	LHS	1	30.00	0.90		27.00	
	Ch:601.50m to 631.50	LHS	1	30.00	0.90		27.00	
	Ch:631.50m to 661.50	LHS	1	30.00	0.90		27.00	
	Ch:661.50m to 691.50	LHS	1	30.00	0.90		27.00	
	Ch:691.50m to 721.50	LHS	1	30.00	0.90		27.00	
	Ch:721.50m to 741.50	LHS	1	20.90	0.90		18.81	
	Ch:0.00m to 28.00	RHS	1	28.00	0.90		25.20	
	Ch:28.00m to 36.30	RHS	1	8.30	0.90		7.47	
	Ch:36.30m to 39.50	RHS	1	3.20	0.90		2.88	
	Ch:39.50m to 47.00	RHS	1	7.50	0.90		6.75	
	Ch:47.00m to 56.00	RHS	1	9.00	0.90		8.10	
	Ch:56.00m to 59.70	RHS	1	3.70	0.90		3.33	
	Ch:59.70m to 89.70	RHS	1	30.00	0.90		27.00	

650.88
704.85

Scanned by CamScanner

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
	Ch:89.70m to 119.70	RHS	1	30.00	0.90		27.00	
	Ch:119.70m to 149.70	RHS	1	30.00	0.90		27.00	
	Ch:149.70m to 179.70	RHS	1	30.00	0.90		27.00	
	Ch:179.70m to 209.70	RHS	1	30.00	0.90		27.00	
	Ch:209.70m to 239.70	RHS	1	30.00	0.90		27.00	
	Ch:239.70m to 242.40	RHS	1	2.70	0.90		2.43	
	Ch:248.10m to 252.10	RHS	1	4.00	0.90		3.60	
	Ch:252.10m to 282.10	RHS	1	30.00	0.90		27.00	
	Ch:282.10m to 312.10	RHS	1	30.00	0.90		27.00	
	Ch:312.10m to 342.10	RHS	1	30.00	0.90		27.00	
	Ch:342.10m to 372.10	RHS	1	30.00	0.90		27.00	
	Ch:372.10m to 402.10	RHS	1	30.00	0.90		27.00	
	Ch:402.10m to 432.10	RHS	1	30.00	0.90		27.00	
	Ch:432.10m to 437.60	RHS	1	5.50	0.90		4.95	
	Ch:437.60m to 450.10	RHS	1	12.50	0.90		11.25	
	Ch:453.80m to 459.30 **SWD**	RHS	1	5.50	0.90		4.95	
	Ch:459.30m to 489.30	RHS	1	30.00	0.90		27.00	
	Ch:489.30m to 493.30	RHS	1	4.00	0.90		3.60	
	Ch:494.30m to 507.30	RHS	1	14.00	0.90		12.60	
	Ch:507.30m to 514.30	RHS	1	7.00	0.90		6.30	
	Ch:520.80m to 550.80	RHS	1	30.00	0.90		27.00	
	Ch:550.80m to 577.80	RHS	1	27.00	0.90		24.30	
	Ch:581.70m to 610.00	RHS	1	28.30	0.90		25.47	
	Ch:615.30m to 645.30	RHS	1	30.00	0.90		27.00	
	Ch:645.30m to 667.30	RHS	1	22.00	0.90		19.80	
	Ch:675.30m to 705.30	RHS	1	30.00	0.90		27.00	
	Ch:705.30m to 711.60	RHS	1	6.30	0.90		5.67	
	Chikkabanavara Railway Station Road Frm Defence Colony Bus stop to Ganesha Temple							
	Road 2 RK Enclave Road Frm Temple							
	Ch:0.00m to 26.30m	LHS	1	26.30	0.90		23.67	
	Ch:33.90m to 63.90	LHS	1	30.00	0.90		27.00	
	Ch:63.90m to 71.20	LHS	1	7.30	0.90		6.57	
	Ch:71.20m to 83.50	LHS	1	12.30	0.90		11.07	
	Ch:83.50m to 97.50	LHS	1	14.00	0.90		12.60	
	Ch:97.50m to 127.50	LHS	1	30.00	0.90		27.00	
	Ch:127.50m to 146.70	LHS	1	19.20	0.90		17.28	
	Ch: 154.30m to 184.30	LHS	1	30.00	0.90		27.00	
	Ch:184.30m to 191.90	LHS	1	7.60	0.90		6.84	
	Ch:191.90m to 202.30	LHS	1	10.40	0.90		9.36	
	Ch:202.30m to 222.60	LHS	1	20.30	0.90		18.27	
	Ch:222.60m to 227.60	LHS	1	5.00	0.90		4.50	
	Ch:227.60m to 256.10	LHS	1	28.50	0.90		25.65	
	Ch:256.10m to 262.80	LHS	1	6.70	0.90		6.03	
	Ch:262.80m to 292.80	LHS	1	30.00	0.90		27.00	
	Ch:292.80m to 296.00	LHS	1	3.20	0.90		2.88	
	Ch:296.00m to 311.00	LHS	1	15.00	0.90		13.50	

807.39

Scanned by CamScanner

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
	Ch:315.50m to 325.00	LHS	1	9.50	0.90		8.55	
	Ch:325.00m to 329.90	LHS	1	4.90	0.90		4.41	
	Ch:329.90m to 359.90	LHS	1	30.00	0.90		27.00	
	Ch:359.90m to 385.70	LHS	1	25.80	0.90		23.22	
	Ch:385.70m to 389.10	LHS	1	3.40	0.90		3.06	
	Ch:389.10m to 398.60	LHS	1	9.50	0.90		8.55	
			1					
	Ch:0.00m to 9.80	RHS	1	9.80	0.90		8.82	
	Ch:14.10m to 40.10	RHS	1	26.00	0.90		23.40	
	Ch:52.40m to 64.40	RHS	1	12.00	0.90		10.80	
	Ch:64.40m to 71.50 old	RHS	1	7.10	0.90		6.39	
	Ch:71.50m to 97.20	RHS	1	25.70	0.90		23.13	
	Ch:104.70m to 129.90	RHS	1	25.20	0.90		22.68	
	Ch:129.90m to 138.40	RHS	1	8.50	0.90		7.65	
	Ch:164.50m to 172.00 Crs Rd	RHS	1	7.50	0.90		6.75	
	Ch:172.00m to 202.00	RHS	1	30.00	0.90		27.00	
	Ch:202.00m to 218.00	RHS	1	16.00	0.90		14.40	
	Ch:218.00m to 228.00	RHS	1	10.00	0.90		9.00	
	Ch:236.50m to 259.00	RHS	1	22.50	0.90		20.25	
	Ch:267.50m to 288.10	RHS	1	20.60	0.90		18.54	
	Ch:288.10m to 318.10	RHS	1	30.00	0.90		27.00	
	Ch:318.10m to 345.60	RHS	1	27.50	0.90		24.75	
	Road-4 frm Chikkabanavara Railway Station Road LHS							
	Ch:0.00m to 30.00	LHS	1	30.00	0.90		27.00	
	Ch:30.00m to 48.00	LHS	1	18.00	0.90		16.20	
	Ch:48.00m to 78.00	LHS	1	30.00	0.90		27.00	
	Ch:78.00m to 107.50	LHS	1	29.50	0.90		26.55	
	Ch:107.50m to 117.50	LHS	1	10.00	0.90		9.00	
			1					
	Ch:0.00m to 7.60	RHS	1	7.60	0.90		6.84	
	Ch:7.60m to 28.70	RHS	1	21.10	0.90		18.99	
	Ch:28.70m to 53.70	RHS	1	25.00	0.90		22.50	
	Ch:53.70m to 83.70	RHS	1	30.00	0.90		27.00	
	Ch:83.70m to 93.20	RHS	1	9.50	0.90		8.55	
	Road-5, 5th Cross Road frm Chikkabanavara Railway Station Road LHS							
	Ch:0.00m to 3.90	LHS	1	3.90	0.90		3.51	
	Ch:9.50m to 33.10	LHS	1	23.60	0.90		21.24	
	Ch:33.10m to 36.50	LHS	1	3.40	0.90		3.06	
	Ch:36.50m to 66.50	LHS	1	30.00	0.90		27.00	
	Ch:66.50m to 92.10	LHS	1	25.60	0.90		23.04	
	Ch:92.10m to 109.10	LHS	1	17.00	0.90		15.30	
			1		0.90		0.00	
	h:0.00m to 16.50	RHS	1	16.50	0.90		14.85	
	:16.50m to 46.50	RHS	1	30.00	0.90		27.00	
	:46.50m to 76.50	RHS	1	30.00	0.90		27.00	
	:76.50m to 106.50	RHS	1	30.00	0.90		27.00	

Scanned by CamScanner

tem No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
	Road-14							
	Ch:0.00m to 30.00	LHS	1	30.00	0.90		27.00	
	Ch:30.00m to 60.00	LHS	1	30.00	0.90		27.00	
	Ch:60.00m to 65.50	LHS	1	5.50	0.90		4.95	
	Ch:0.00m to 30.00	RHS	1	30.00	0.90		27.00	
	Ch:30.00m to 35.50	RHS	1	5.50	0.90		4.95	
	Ch:35.50m to 65.50	RHS	1	30.00	0.90		27.00	
	Road-15		1		~~0.90~~		~~0.00~~	
	Ch:0.00m to 30.00	LHS	1	30.00	0.90		27.00	
	Ch:30.00m to 32.00	LHS	1	2.00	0.90		1.80	
	Ch:32.00m to 39.00	LHS	1	7.00	0.90		6.30	
	Ch:39.00m to 67.00	LHS	1	28.00	0.90		25.20	
	Ch:75.00m to 103.00	LHS	1	28.00	0.90		25.20	
	Ch:112.00m to 131.00	LHS	1	19.00	0.90		17.10	
	Ch:0.00m to 30.00	RHS	1	30.00	0.90		27.00	
	Ch:30.00m to 53.00	RHS	1	23.00	0.90		20.70	
	Ch:59.00m to 89.00	RHS	1	30.00	0.90		27.00	
	Ch:89.00m to 91.50	RHS	1	2.50	0.90		2.25	
	Ch:91.50m to 97.00	RHS	1	5.50	0.90		4.95	
	Ch:97.00m to 106.00	RHS	1	9.00	0.90		8.10	
	Ch:106.00m to 123.30	RHS	1	17.30	0.90		15.57	
	Road-16							
	Ch:0.00m to 25.20	LHS	1	25.20	0.90		22.68	
	Ch:25.20m to 55.20	LHS	1	30.00	0.90		27.00	
	Ch:55.20m to 70.20	LHS	1	15.00	0.90		13.50	
	Ch:0.00m to 12.00	RHS	1	12.00	0.90		10.80	
	Ch:12.00m to 25.20	RHS	1	13.20	0.90		11.88	
	Ch:25.20m to 55.20	RHS	1	30.00	0.90		27.00	
	Ch:55.20m to 63.00	RHS	1	7.80	0.90		7.02	
	Road-17							
	Ch:0.00m to 30.00	LHS	1	30.00	0.90		27.00	
	Ch:30.00m to 55.00	LHS	1	25.00	0.90		22.50	
	Ch:55.00m to 85.00	LHS	1	30.00	0.90		27.00	
	Ch:85.00m to 115.00	LHS	1	30.00	0.90		27.00	
	Ch:115.00m to 117.00	LHS	1	2.00	0.90		1.80	
	Ch:0.00m to 30.00	RHS	1	30.00	0.90		27.00	
	Ch:30.00m to 55.00	RHS	1	25.00	0.90		22.50	
	Ch:55.00m to 85.00	RHS	1	30.00	0.90		27.00	
	Ch:85.00m to 96.80	RHS	1	11.80	0.90		10.62	
	Ch:105.00m to 115.80	RHS	1	10.80	0.90		9.72	
	Road-19 2nd Cross							
	Ch:0.00m to 30.00	LHS	1	30.00	0.90		27.00	
	Ch:30.00m to 45.40	LHS	1	15.40	0.90		13.86	
	Ch:52.10m to 82.10	LHS	1	30.00	0.90		27.00	
	Ch:82.10m to 103.50	LHS	1	21.40	0.90		19.26	
	Ch:114.50m to 144.50	LHS	1	30.00	0.90		27.00	
	Ch:144.50m to 174.50	LHS	1	30.00	0.90		27.00	

× 771.21

Scanned by CamScanner

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
	Ch:174.50m to 204.50	LHS	1	30.00	0.90		27.00	
	Ch:204.50m to 234.50	LHS	1	30.00	0.90		27.00	
	Ch:234.50m to 252.50 **Up to SWD**	LHS	1	18.00	0.90		16.20	
	Ch:30.00m to 45.40	RHS	1	15.40	0.90		13.86	
	Ch:45.40m to 57.40	RHS	1	12.00	0.90		10.80	
	Ch:64.90m to 90.40	RHS	1	25.50	0.90		22.95	
	Ch:95.40m to 123.40	RHS	1	28.00	0.90		25.20	
	Ch:129.40m to 159.40	RHS	1	30.00	0.90		27.00	
	Ch:159.40m to 179.40	RHS	1	20.00	0.90		18.00	
	Ch:185.90m to 215.90	RHS	1	30.00	0.90		27.00	
	Ch:215.90m to 233.00	RHS	1	17.10	0.90		15.39	
	Ch:239.40m to 265.90	RHS	1	26.50	0.90		23.85	
	Ch:272.40m to 302.40	RHS	1	30.00	0.90		27.00	
	Ch:302.40m to 324.40 **Arali Katte**	RHS	1	22.00	0.90		19.80	
	5th Cross Road 50 feet Road						0.00	
	Ch:0.00m to 30.00	LHS	1	30.00	0.90		27.00	
	Ch:30.00m to 34.30	LHS	1	4.30	0.90		3.87	
	Ch:42.30m to 72.30	LHS	1	30.00	0.90		27.00	
	Ch:72.30m to 81.30	LHS	1	9.00	0.90		8.10	
	Ch:86.70m to 91.20	LHS	1	4.50	0.90		4.05	
	Ch:101.10m to 131.10	LHS	1	30.00	0.90		27.00	
	Ch:131.10m to 132.10	LHS	1	1.00	0.90		0.90	
	Ch:156.10m to 165.10	LHS	1	9.00	0.90		8.10	
	Ch:174.90m to 184.60	LHS	1	9.70	0.90		8.73	
	Ch:197.80m to 227.80	LHS	1	30.00	0.90		27.00	
	Ch:227.80m to 257.80	LHS	1	30.00	0.90		27.00	
	1st Main road Left side(from 3rd cross)							
	Ch:0.00m to 30.00	LHS	1	30.00	0.90		27.00	
	Ch:30.00m to 60.00	LHS	1	30.00	0.90		27.00	
	Ch:60.00m to 90.00	LHS	1	30.00	0.90		27.00	
	Ch:90.00m to 120.00	LHS	1	30.00	0.90		27.00	
	Ch:120.00m to 127.00	LHS	1	7.00	0.90		6.30	
	Ch:0.00m to 30.00	RHS	1	30.00	0.90		27.00	
	Ch:30.00m to 60.00	RHS	1	30.00	0.90		27.00	
	Ch:60.00m to 90.00	RHS	1	30.00	0.90		27.00	
	Ch:90.00m to 120.00	RHS	1	18.00	0.90		16.20	
						Present Qty	**3675.51**	**Sqm**
	At Rs.2208/Sqm=3675.51*2208= 8115526.08							

Civil-Tech Consultants & Engineers Bangalore

Assistant Engineer
Project division,Dasrahalli
BBMP Bangalore

Asst. Executive Engineer,
Project division,Dasrahalli
BBMP Bangalore

For M/s. NANDI CONSTRUCTION

Partners

Scanned by CamScanner